

US EPA ARCHIVE DOCUMENT

BIOGRAPHICAL SKETCHES

Howard N. Apsan

Dr. Howard Apsan has served as the University Director of Environmental Health and Safety (EH&S) since March 2003 and was given the added responsibility for risk management in July 2007. His office leads the EH&S management and compliance effort throughout the City University of New York (CUNY), the third largest university system in the United States, and has managed the implementation of a comprehensive CUNY-U.S. Environmental Protection Agency (EPA) audit and disclosure agreement across all of CUNY's 20 campuses. Since July 2007, the office also focuses on identifying, evaluating, and mitigating the full range of risks that the University must address. Before joining CUNY, Dr. Apsan worked for almost 20 years as a manager and technical advisor, including several years with the New York City Sanitation Department; 8 years as a Principal, and ultimately National Director of a nationwide consulting firm; and 6 years as President of his own consulting firm. He has worked throughout the United States and has extensive international experience. In addition to his management and consulting activities, he has been a member of the faculty at Columbia University's School of International and Public Affairs since 1986. He also has served on the United States Technical Advisory Group (US TAG) for ISO 14000, the American Society for Testing and Materials (ASTM) Environmental Committee (E-50), and the Springfield (New Jersey) Environmental Commission, and he chaired the New York Chamber of Commerce Environment and Energy Committee and the New York Chapter of the Environmental Auditing Roundtable. He is a member of the Editorial Board of *Environmental Quality Management* and writes and lectures regularly.

William S. Baker

Mr. William Baker works for EPA in its Region 2 Office in New York City. He currently serves as the region's Air Senior Policy Advisor with responsibility for providing counsel to upper management in Region 2 and elsewhere in EPA on matters concerning the National Air Pollution Control Program. He also is responsible for assisting in the direct management of the Region 2 Air Program. Mr. Baker has worked in the field of air pollution control for almost 40 years. Over this period, he has served in a number of technical and managerial positions in the federal government, principally as Chief of the Air Programs Branch in Region 2. In this capacity, he was responsible for oversight of the implementation of major elements of the Federal Clean Air Act in New York State, New Jersey, Puerto Rico, and the U.S. Virgin Islands. Mr. Baker has served as Co-Chair of the Implementation Strategies and Issues Workgroup of the Ozone Transport Assessment Group (OTAG) and on the New Jersey Mercury Task Force. He also is a member of the EPA Region 2 Science Council and publishes an internal EPA newsletter, *Ozone Weekly*. Mr. Baker is the recipient of many awards and commendations, including five bronze medals for commendable service, a gold medal for exceptional service and Region 2's Distinguished Achievement Award. Mr. Baker holds a B.S. degree in Mechanical Engineering and an M.S. degree in Environmental Engineering, both from Drexel University in Philadelphia.

Lori Snyder Bennear

Dr. Lori Snyder Bennear is an Assistant Professor of Environmental Economics and Policy at the Nicholas School of the Environment and Earth Sciences at Duke University. Her research focuses on evaluating innovations in environmental policy, improving methods and techniques for conducting these evaluations, and designing procedures that promote the use of such program evaluations in policy design. Her recent work has focused on measuring the effectiveness of management-based regulations, which require each regulated entity to develop its own internal rules and initiatives to achieve reductions in pollution, and the effectiveness of regulations that mandate public reporting of environmental information. She is the author of several publications on program evaluation for environmental policy, including a chapter in a recent National Academies book and an article in *Environment* magazine. Her research expertise has been used to aid in policy evaluation and design at both the state and federal levels.

Allen Blackman

An economist, Dr. Allen Blackman is a Senior Fellow at Resources for the Future (RFF), a non-profit, non-partisan environmental policy research institute in Washington, D.C. In his 15 years at RFF, Dr. Blackman's

empirical research has focused on evaluating innovative regulatory policies and programs both in the United States and abroad, including voluntary regulation in the United States, Mexico, and Colombia; public disclosure in Indonesia and India; emissions fees in Colombia; the use of mortgage reforms to affect land use in the United States; and clean technological change in Mexico. His work has appeared in a number of journals, including the *American Journal of Agricultural Economics*, the *Journal of Environmental Economics and Management*, and the *Journal of Policy Analysis and Management*.

Irene Boland

Ms. Irene Boland works on sustainability and climate change for the EPA Region 2 Office in New York City. At EPA, Ms. Boland also has worked in Headquarters on the Agency's Strategic Plan and in the San Francisco office where she composed a memorandum of agreement with the U.S. Navy, Air Force, and Army to set ambitious green building and sustainability goals for the significant base expansions on Guam. Prior to joining EPA, Ms. Boland worked in Albemarle County, Virginia, on community planning and for the Institute for Environmental Negotiation on drought water management. She received her Bachelor's degree in Urban and Environmental Planning from the University of Virginia and her Masters of Public Administration degree in Environmental Science and Policy from Columbia University. In 2007, Ms. Boland published a children's book about wind power, entitled "Wind the World Over."

Joann Brennan-McKee

Ms. Joann Brennan-McKee graduated from Northeastern University and joined EPA in 1971 as a technical writer and editor in the Water Program, producing Environmental Impact Statements on EPA projects. She became one of the Agency's first environmental protection specialists in 1977, working primarily in the National Environmental Policy Act (NEPA) area; joined the region's newly created Policy and Program Integration Branch as a policy analyst in 1980; was selected as Chief of the Planning and Evaluation Branch, which is the region's planning and budgeting organization, in 1984; was promoted to Deputy Director of the Office of Policy and Management (OPM) in 1988; and became Deputy Director of the Division of Environmental Planning and Protection (DEPP) in 2005. In DEPP, Ms. Brennan-McKee's responsibilities involve working with the Air Programs Branch, Radiation and Indoor Air Branch, Resource Conservation and Recovery Act (RCRA; hazardous waste) Programs Branch, and Strategic Planning and Multimedia Programs Branch on a day-to-day basis. Over the years, she has been involved in several important programs and initiatives. She was a principal designer of the region's Mentoring Program, which is now in its 10th year, and co-chaired the committee that administered the program from its inception until 2006. She served as management's liaison to a unique interdivisional group called the Innovations Exchange Network that focuses on promoting innovative approaches to environmental problems. She represented the region on several interagency working groups, including the Steering Committee for the Comprehensive Port Improvement Plan, chaired by the Port Authority of New York and New Jersey. For 13 years, Ms. Brennan-McKee served on the Board of Directors of the non-profit corporation that oversees and raises funding for the federal childcare center in lower Manhattan and chaired the Board for 5 of those years. In addition to working with the individual programs in DEPP, she focuses on several important current initiatives, including the production of a video on clean diesel construction aimed at the construction industry and a Regional "Green Team" that brings all of the Agency's voluntary programs together to facilitate the greening of major development projects in the region, such as malls, sports stadiums, and large office buildings. She has received the Distinguished Achievement Award, the Agency's Managerial Excellence Award, several bronze medals, the silver medal for her work on the Administrator's Diversity Task Force, and the Excellence in Response Award, presented to those involved in responding to the 9/11 tragedy and its aftermath. She is one of two deputies in DEPP, the region's multimedia division. Her responsibilities include the non-enforcement aspects of the following programs: Air, Radiation, RCRA, NEPA, and Pollution Prevention. She is also responsible for the region's strategic planning activities. The other deputy handles all of the water programs.

Linda T.M. Bui

Dr. Linda T.M. Bui is an Associate Professor of Economics at Brandeis University. She received her Ph.D. in Economics from the Massachusetts Institute of Technology (MIT) and has taught at Boston University, the

University of Michigan, and the Sloan School of Management at MIT. Her current research focuses on the effects of public disclosure laws on firm behavior and on the relationship between health and the environment.

Christopher Clark

Dr. Christopher Clark is an Assistant Professor in the Department of Agricultural Economics at the University of Tennessee. His research interests, in addition to environmental labeling, include water quality trading and a variety of other topics in environmental and natural resource economics. He teaches graduate and undergraduate courses in natural resource economics and agricultural law. He earned a Ph.D. in Economics from Vanderbilt University and a J.D. from Tulane University.

John Cusack

Mr. John Cusack is part-time Executive Director of the New Jersey Higher Education Partnership for Sustainability (NJHEPS), a consortium of more than 45 colleges and universities encouraging and facilitating the practice of sustainability concepts in higher education. He represents NJHEPS on the advisory boards of the Association for the Advancement of Sustainability in Higher Education (AASHE) and the Northeast Campus Sustainability Consortium (NECSC). Under his leadership, NJHEPS was awarded last spring the EPA Region 2 Environmental Quality Award, the highest public award granted by EPA regions. He also is the President of Gifford Park Associates (GPA), a management consulting firm specializing in the relationships between environmental and financial performance. His clients have included the environmental performance rating agency/research house Innovest Strategic Value Advisors (where he was startup CEO and Co-Founder from 1998 to 2001); the Chicago Climate Exchange; Toyota; Marsh & McLennan (where he rebuilt the New York Office's Environmental Risk Consulting Practice after 9/11); Light Green Advisors (serving as part-time Chief Sustainability Officer); the Environmental, Insurance and Treasury Departments of the State of Connecticut; utility firms; venture capital funds; Israel Chemicals Ltd.; the governments of the United Arab Emirates (UAE) and the United States; and a number of start-up companies and financial funds operating in the areas of carbon finance and clean technology. Prior to starting GPA in 1993, he was a senior executive at Asea Brown Boveri (ABB), where he was Founding President of ABB Sanitec, Managing Director of ABB Flakt Sanitec GmbH, Director of Technology Marketing and Development for ABB Environmental Services, and Manager of Strategic Technology Programs in the corporate R&D group. He has guest lectured on energy and environmental finance/risk issues at Yale University, University of North Carolina, Rensselaer Polytechnic Institute (RPI), New York University (NYU), Columbia University, New Jersey Institute of Technology (NJIT), INSEAD, Erasmus, the University of Oregon, Tufts University, Pace University, and other colleges and universities, and has testified at a congressional climate-change briefing. He teaches a sustainable finance course as an Adjunct Finance Professor at the Iona College Hagan School of Business. He serves on boards of the New Jersey Corporation for Advanced Technologies, the Environmental Business Association of New York State, the New Jersey Sustainable State Institute, and the Center for Economic & Environmental Partnership. He has an M.B.A. from the Stern School of NYU, an M.C.E. in Environmental Engineering and Science, and a B.C.E. in Civil Engineering from Manhattan College. He is a registered Professional Engineer.

Andrew H. Darrell

In addition to serving as Director of the New York Region at Environmental Defense, Mr. Andrew Darrell is the director of our Living Cities Program for the urban environment. He is a member of New York Mayor Michael Bloomberg's Sustainability Advisory Board. He was appointed to serve on the city's commission to study traffic-cutting measures in 2007. He previously was Executive Director of the Waterfront Park Coalition, an alliance of environmental and community groups dedicated to revitalization of waterfront neighborhoods in New York City's five boroughs. He also has served as Executive Director of the Hudson River Park Alliance, which played a leading role in creating a new 5-mile waterfront park in Manhattan. Mr. Darrell holds a J.D. from the University of Virginia and a Masters degree and a Bachelor of Science degree (*magna cum laude*) from Georgetown University. After law school, he worked as an associate at Davis Polk and Wardwell and consulted on energy efficiency projects in China and Europe. He is a trustee of the Van Alen Institute, which fosters quality design for urban public spaces, and of Columbia University's International House.

Magali Delmas

Dr. Magali Delmas is an Associate Professor of Management at the Donald Bren School of Environmental Science and Management at the University of California, Santa Barbara (<http://www.bren.ucsb.edu/~delmas>), and a Visiting Professor at the University of California, Los Angeles (UCLA) Institute of the Environment. Standing at the crossroads of policy and management, Dr. Delmas' research focuses on the various interactions between environmental policy and business strategy at the national and international levels. She seeks to understand how environmental policies influence firms' strategies and performance and, in turn, how firms help shape environmental policy. Dr. Delmas' current work includes the analysis of the effectiveness of firms' voluntary actions to mitigate climate change. She is involved in several projects related to firms' voluntary strategies to reduce greenhouse gases in the electric utility sector. She also is engaged in refining current methodologies to measure and communicate firms' and products' environmental performance. Previous to embarking on an academic career, she worked at the European Commission as the Economic Advisor of the Director for Industry. Dr. Delmas is the author of numerous articles published in policy and management journals, such as the *Strategic Management Journal*, *California Management Review*, *Production and Operations Management*, *Industrial and Corporate Change*, *Business and Politics*, *Business Strategy and the Environment*, *Journal of Policy Analysis and Management*, *Policy Studies Journal*, *Policy Sciences*, and *Journal of Comparative Policy Analysis*.

Nicoletta DiForte

Ms. Nicoletta DiForte is Region 2's Enforcement Coordinator for the Superfund Program. As a 24-year veteran of EPA, Ms. DiForte has a wealth of experience in dealing with the private sector to achieve environmental results. She has worked in both regulatory and voluntary programs as a policy-maker and practitioner. Ms. DiForte's regional experience includes heading up the RCRA Waste Minimization Program; developing environmental metrics and information systems (EcoStat); co-creating "Footsteps Towards Progress," a regional campaign to promote environmental stewardship in personal decision-making; and hosting region-wide training on using Environmental Management System tools to conduct pollution prevention activities. Her Headquarters experience includes a year-long detail with the Office of Policy, Economics and Innovation evaluating and developing pilot projects to spur corporate performance beyond compliance.

David E. Ervin

Dr. David Ervin teaches courses in the economics of sustainability and business environmental management. He is Professor of Environmental Studies and coordinates academic sustainability programs at Portland State University. His current research program includes voluntary business environmental management, university-industry relationships in academic research, and the economics of green building technologies. His previous positions include Director of Policy Studies at the Wallace Center for Alternative Agriculture, Professor and Head of Agricultural and Resource Economics at Oregon State University, Chief of the Resource Policy Branch for the U.S. Department of Agriculture's (USDA) Economic Research Service, and Professor of Agricultural Economics at the University of Missouri-Columbia. Examples of recent publications include "Does Environmental Policy Work?," an Elgar volume co-edited with James Kahn and Marie Livingston; "Motivations for Voluntary Environmental Management" in the *Policy Studies Journal* with Madhu Khanna, Patricia Koss, and Cody Jones; "Green Business Rising" in *Choices* with Frank Casey; and "Towards an Ecological Systems Approach in Public Research for Environmental Regulation of Transgenic Crops" in *Agriculture, Ecosystems and the Environment* with Sandra Batie, Rick Welsh, and Chantal Line Carpentier. He has been a visiting scholar at Cambridge University in 1986-1987, and consulted with the Organization for Economic Cooperation and Development, the European Commission, and the North American Commission for Environmental Cooperation. He speaks to local, national, and international audiences on environmental management and sustainability topics, recently lecturing at the UNEP-Tongji University Institute for Environment and Sustainable Development in Shanghai, China.

Mary F. Evans

Dr. Mary F. Evans is an Assistant Professor of Economics at the University of Tennessee. She specializes in the joint application of microeconomic models of decision-making, econometric analysis, and experimental techniques to examine policy-relevant questions in environmental, resource, and health economics. Her research has examined how individual heterogeneity—in particular age, health status, and family structure—affect individual willingness to pay for reductions in mortality and morbidity risks. In recent research, Dr. Evans has examined a variety of topics, including optimal bidding in hybrid auction-lottery mechanisms, the consequences of environmental auditing for facility compliance, and the relationship between the income elasticity of the value of a statistical life and the coefficient of relative risk aversion. She received her Ph.D. in Economics from the University of Colorado.

John Filippelli

Mr. John Filippelli has been with EPA for 29 years and is currently the Chief of Region 2's Strategic Planning and Multimedia Programs Branch. He is responsible for the Region's NEPA, Pollution Prevention, and Energy Programs and various strategic planning actions. Mr. Filippelli also has held management positions in the Region's Air Pollution Control and Solid Waste Management Programs. Prior to joining EPA, he worked in comprehensive transportation planning for the New York City Department of Transportation and land-use planning for Jersey City, New Jersey. He holds B.A. and Master of City and Regional Planning degrees from Rutgers University.

Carolyn Fischer

Dr. Carolyn Fischer joined RFF as a fellow in 1997, after receiving her Ph.D. in Economics from the University of Michigan. Her research focuses on policy mechanisms and modeling tools that cut across environmental issues, including environmental policy design and technological change, international trade and environmental policies, and resource economics. She is particularly interested in the competitiveness impacts of environmental policies and in policy alternatives that mitigate these effects, including rate-based mechanisms, as well as environmental labeling programs. Dr. Fischer has previously taught at Johns Hopkins University and served as a staff economist for the Council of Economic Advisors to the President.

Scott M. Gilpatric

Dr. Scott M. Gilpatric is an Assistant Professor of Economics at the University of Tennessee. He specializes in microeconomic theory and industrial organization. A central focus of Dr. Gilpatric's research is the internal organization of firms and incentives facing managers. One aspect of this is the incentives for managers to comply with environmental and other regulations. This work also extends to studying both risk-taking and cheating (such as fraud) by managers as they compete for advancement within a firm, and studying how contracts can deter both malfeasance and shirking by managers. Dr. Gilpatric's research also has explored a variety of other topics, including the performance of charter schools and the response of public schools to competition from charter schools, job search procrastination and why people may stay too long in bad jobs (and other bad relationships), and the logic of retail rebate programs. Before joining the faculty of the University of Tennessee, he taught at Texas A&M University, where he earned his Ph.D., and at the University of Texas at Austin.

Wayne Gray

Dr. Wayne Gray is a Professor of Economics in the Department of Economics at Clark University, where he has taught since 1984. Dr. Gray also is a Research Associate at the National Bureau of Economic Research, the Director of the Boston Census Research Data Center, and a member of EPA's Advisory Council for Clean Air Compliance Analysis. Dr. Gray's research focuses on the effectiveness and economic impact of government regulation, including impacts of EPA regulations on productivity and investment decisions at the industrial plant level, especially in the steel and paper industries. Dr. Gray received his Ph.D. in Economics from Harvard University.

David Gunnarson

Mr. David Gunnarson is a senior environmental and chemical engineer for Lockheed Martin in Manassas, Virginia. In his 25 years at that facility, he has held a variety of technical and management positions. His current responsibilities include environmental management systems, gas systems engineering, and construction management at the Virginia facility, and he is the Project Manager for the Airdock Remediation Project in Akron, Ohio. He received his B.S. in Environmental Engineering from RPI and is a Registered Professional Engineer in Virginia.

Knute Jensen

Mr. Knute Jensen is the Chief of the Bureau of Enforcement and Compliance Services for the New Jersey Department of Environmental Protection. This bureau handles various support functions for programs doing enforcement-related work department-wide. These functions are carried out with an over-riding charge to encourage innovation throughout the organization. Mr. Jensen began his career with the Department of Environmental Protection in 1992 as a field inspector in the Air Program. He holds a Baccalaureate degree in Civil Engineering from Rutgers University and is currently pursuing a Master of Science degree in Environmental Policy from NJIT.

Robert A. Kagan

Dr. Robert A. Kagan is Professor of Political Science and Emanuel S. Heller Professor of Law at the University of California, Berkeley. His research has focused on empirical studies of comparative legal institutions and regulatory enforcement and compliance. His publications include "Regulatory Justice: Implementing a Wage-Price Freeze" (1978); "Going by the Book: The Problem of Regulatory Unreasonableness" (1982/2002, with Eugene Bardach); "Adversarial Legalism: The American Way of Law" (2001); "Shades of Green" (2003, with Neil Gunningham and Dorothy Thornton); and the review essay "Regulators and Regulatory Processes" in "The Blackwell Companion to Law and Society" (Austin Sarat, ed., 2004). He also is the co-editor (with Lee Adelrad) of "Regulatory Encounters: Multinational Corporations and American Adversarial Legalism" (2000); "Dynamics of Regulatory Change: How Globalization Affects National Regulatory Policies" (with David Vogel, 2004); and a special issue of *Law & Policy* (with Neil Gunningham, April 2005) on regulation and business behavior, containing articles (including two by Thornton, Gunningham, and Kagan) based on EPA-funded research projects.

Madhu Khanna

Dr. Madhu Khanna is a professor in the Department of Agricultural and Consumer Economics at the University of Illinois at Urbana-Champaign. She received her Ph.D. from the University of California, Berkeley. Her research analyzes the performance of alternative environmental policy instruments and environmentally friendly technologies for pollution control. She also examines the effectiveness of voluntary initiatives by corporations to improve environmental performance and the targeting of green payment policies towards agricultural producers for preventing nonpoint pollution from crop production. Dr. Khanna teaches undergraduate and graduate courses in international trade and environmental economics. She has received several teaching and research awards and was supervisor of the recipient of an Outstanding Thesis Award in 2002 from the American Association of Agricultural Economics. She was selected as a University of Illinois Scholar for 2004–2007. She is also on EPA's Science Advisory Board and has served on the Board of Directors of the Association of Environmental and Resource Economists. She serves as an associate editor for the *American Journal of Agricultural Economics* and is on the editorial boards of the *Journal of Soil and Water Conservation*, the *Journal of Agricultural and Resource Economics*, and *Review of Agricultural Economics*.

Rabi Kieber

Ms. Rabi Kieber is currently the Sustainability Coordinator for EPA Region 2. In this capacity, she has developed several far-reaching programs to increase sustainable development throughout the region, including the Green Building Competition for New York City. This competition, which is jointly sponsored by EPA Region 2 and the City of New York, is a national competition that attracts professionals from around the

country to present their innovative New York City green building design projects and ideas. Ms. Kieber has worked with the USDA Forest Service, Columbia University, and the New York City Department of Health and Department of Parks and Recreation on an innovative pilot project in Harlem, New York, designed to transform the landscape in Harlem by increasing canopy cover, revitalizing community gardens, creating green “cultural tourism” corridors, and assuring proper repair and maintenance of existing parks. She has worked with Pace University to develop a green roof research strategy and with several universities in Puerto Rico to promote sustainability and smart growth. During her tenure at EPA, Ms. Kieber has provided numerous grants and technical assistance to communities throughout the region. Prior to joining EPA, Ms. Kieber worked on programs to support at-risk communities at Catholic Charities in the Archdiocese of New York. She was a field coordinator for Africare in Niger, West Africa, where she developed and implemented numerous agricultural and forestry projects and is a former Peace Corps volunteer. She received her Masters in Public Administration from Columbia University and Bachelor’s in Natural Resources Management from the University of Michigan. She is a member of the United States Green Building Council New York Chapter.

Dinah Koehler

Dr. Dinah Koehler began her environmental career working with businesses to improve paper recycling and as environmental manager for Tetra Pak, a Swedish multinational corporation. After completing her Masters in Law and Diplomacy at the Fletcher School, Tufts University, she worked at Baxter International on their environment, health and safety accounting system. She has interned with the United Nations Institute for Training and Research (UNITAR) in Geneva, assisting governments setting up pollutant release and transfer registries (PRTR), and with SustainAbility Ltd., in London on deriving a framework for evaluating corporate sustainability reports. She holds a Science Doctorate in environmental science and risk management from the Harvard School of Public Health. Her research focused on estimating the financial and social impacts of toxic chemical releases from U.S. facilities in the context of socially responsible investing. More recent research is on assessment of the toxic release inventory, voluntary environmental program effectiveness, and the business case for sustainability, which she conducted as a postdoctoral fellow at the Wharton School, University of Pennsylvania, and while at EPA. She currently is managing the Economics and Decision Sciences (EDS) research program at EPA’s Office of Research and Development.

Nora Lopez

Ms. Nora Lopez has a B.S. in Chemistry from the University of Puerto Rico and a Masters in Public Health from the University of Michigan, with a concentration in Environmental Health. She has been the Toxic Release Inventory Coordinator at EPA since the program started in 1986. She developed and implemented regional Emergency Planning and Community Right-to-Know Act (EPCRA) Section 313 technical guidance and compliance assistance outreach activities for industry, state and local agencies, and the regional office. She oversees enforcement activities under this program for the region and monitors activities of the National Council of Senior Citizen Staff assigned to the program. She is in charge of planning and implementing comprehensive outreach programs for the general public. In addition, she has represented EPA at international conferences in programs sponsored by the United Nations. Ms. Lopez also is the Region 2 Chemical Right-to-Know Coordinator for the Office of Prevention, Pesticides, and Toxic Substances (OPPTS) covering initiatives like the High Production Volume (HPV) Challenge. She also has worked in the manufacturing and pharmaceutical sectors in the United States, Puerto Rico, and Mexico.

Kathleen Malone

Ms. Kathleen Malone graduated *magna cum laude* from Mount Holyoke College with a B.A. in Math and Economics. After graduation, she spent 2 years at an economic consulting firm in Cambridge, Massachusetts, before joining EPA in 1992. Until May of 1998, she was an Air Inspector for EPA’s Region 2 Office, which governs New York, New Jersey, Puerto Rico, and the Virgin Islands. She currently works for the Region’s Compliance Assistance and Program Support Branch where she is trying to help businesses and federal facilities understand and comply with environmental regulations and promote pollution prevention as the preferred method of environmental protection.

Carol Mansfield

Dr. Carol Mansfield holds a Ph.D. in Economics from the University of Maryland. She is currently a Senior Economist at RTI International, and prior to joining RTI, she was on the faculty of the Nicholas School of the Environment at Duke University. Her research has investigated air and water quality protection, disease treatment and prevention programs, children's health, recreation experiences, and terrorism risk.

Dr. Mansfield's research and project experience includes theoretical and methodological contributions to regulatory impact analysis and policy analysis.

Richard Morgenstern

Dr. Richard Morgenstern received an A.B. from Oberlin College (with high honors) and a Ph.D. in Economics from the University of Michigan. His research focuses on the economic analysis of environmental issues with an emphasis on the costs, benefits, evaluation, and design of environmental policies, especially economic incentive measures. His analysis also focuses on climate change, including the design of cost-effective policies to reduce emissions in the United States and abroad. Over the past decade, he has edited or co-edited four books and dozens of scholarly articles. Prior to joining RFF, Dr. Morgenstern served at EPA, where he acted as Deputy Administrator (1993); Assistant Administrator for Policy, Planning, and Evaluation (1991–1993); and Director of the Office of Policy Analysis (1983–1995). Previously, he was a tenured professor at CUNY. Recently, he has taught at Oberlin College, the Wharton School of the University of Pennsylvania, Yeshiva University, and American University. He has served on expert committees of the National Academies and as a consultant to various organizations.

Walter Mugdan

Mr. Walter Mugdan has served since 2002 as the Director of DEPP for Region 2 of EPA. The Division is responsible for the Air, Water, Hazardous Waste, Pollution Prevention and Environmental Assessment Programs. Mr. Mugdan served as Regional Counsel for EPA Region 2 since 1995. Prior to that, he served as Deputy Regional Counsel for 10 years. He joined EPA Region 2 in 1975 as a staff attorney, and subsequently served in various supervisory positions in the Office of Regional Counsel, including as Chief of units responsible for the Clean Air Act, Superfund, RCRA, the Toxic Substances Control Act (TSCA), and the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA). In 1998, Mr. Mugdan spent 8 months on a detail as Director of Region 2's Division of Enforcement and Compliance Assistance, heading the Region's staff of field inspectors and technical enforcement personnel. Mr. Mugdan has authored numerous publications on environmental law and regulation. He is a frequent speaker and lecturer on these subjects. From 1991 to 1997, he was an Adjunct Professor at Pace University Law School, where he taught a course on Superfund law. Since 1992, Mr. Mugdan has been the Director of EPA's annual Trial Advocacy Institute. From 2006 to 2007, Mr. Mugdan served as Chair of the Environmental Law Section of the New York State Bar Association; he was an officer of the Section from 2002 to 2007, and a member of the Section's Executive Committee since 1985. He earned his J.D. (1975) and his B.A. (1972) from the University of Michigan in Ann Arbor.

Matthew Neidell

Dr. Matthew Neidell is an Assistant Professor in the Department of Health Policy and Management at Columbia University's Mailman School of Public Health. After receiving his Ph.D. in Economics from UCLA, Dr. Neidell was a postdoctoral fellow with the Department of Economics and Center for Integrating Statistical and Environmental Sciences (which was funded by an EPA Science To Achieve Results [STAR] Grant) at the University of Chicago. His current research focuses on the effects of air quality information on human behavior, and how such behavior affects estimates of the association between air quality and health.

Zachary Pekar

Dr. Zachary Pekar currently works in the Office of Air and Radiation within the U.S. EPA where he designs and conducts human health risk assessments in support of regulatory development involving ambient air pollutants. While at EPA, he has worked on regulations focusing on mercury (from power plants), particulate matter, and lead (as an ambient air pollutant). He holds an M.S.P.H. and Ph.D. in Environmental Management

and Policy with an emphasis on GIS-based modeling of population exposure and risk. Before joining EPA, he worked in consulting for 10 years.

Billy Pizer

Dr. Billy Pizer is a Senior Fellow and Research Director at RFF, where his research is focused on how the design of environmental policy affects costs and environmental effectiveness, often related to global climate change. His research has examined the aggregate level and distribution of regulatory costs, the effect of uncertainty on policy outcomes, the choice among various market-based policies, the role of voluntary programs, impacts on competitiveness, the importance of technological change, and the valuation of environmental benefits over long time horizons. Dr. Pizer was a lead author on the Intergovernmental Panel on Climate Change 4th Assessment Report, chaired the U.S. Department of Energy (DOE) review of its Integrated Assessment Research Program, and serves on both the EPA Environmental Economics Advisory Committee and the DOE Climate Change Science Program Product Development Advisory Committee. Since August 2002, Dr. Pizer has worked part-time as a Senior Economist at the National Commission on Energy Policy. In 2001 and 2002, he served as a Senior Economist at the President's Council of Economic Advisers where he worked on environment and climate change issues. He was a visiting scholar at Stanford University's Center for Environmental Science and Policy from 2000 to 2001, and taught part-time at Johns Hopkins University from 1997 to 1999. His work has been published in the *Review of Economics and Statistics*, the *Journal of Public Economics*, the *Journal of Environmental Economics and Management*, and other scholarly journals and books. In 2006, he won, with Richard Newell, the Petry Prize for their work on discounting.

Carl F. Plossl

Mr. Carl Plossl received a B.S. in Appropriate Technology Engineering and an M.S. in Environmental Engineering from Drexel University and is a certified Hazardous Materials Manager at the Master Level. Mr. Plossl joined the RCRA Program in EPA's Region 2 as an Enforcement Officer in 1997. General responsibilities include the targeting of industries, onsite inspections, evaluations of compliance, determinations of appropriate enforcement responses to violations, and development/issuance/settlement of enforcement actions. Particular responsibilities include:

- ✧ Recycling/Reuse Technology Specialist with responsibility for evaluating and addressing the most difficult and complex industrial and manufacturing recycling/reuse issues and activities;
- ✧ Region 2 Lead for the University and College Initiative, coordinating compliance assistance and enforcement activities;
- ✧ RCRA Branch Lead for Landfill Issues in Puerto Rico; and
- ✧ RCRA Branch Lead for Homeland Security Issues.

Lawrence P. Schnapf

Mr. Lawrence P. Schnapf is an environmental attorney based in New York City and New Jersey. He has 25 years of national environmental experience with Fortune 500 corporations and a number of major New York-based law firms. Mr. Schnapf primarily concentrates on environmental issues associated with corporate, real estate and brownfield transactions, commercial lending and securitizations, and workouts. He has extensive experience with brownfield redevelopment and financing, negotiating environmental insurance policies for business and real estate transactions, and performing environmental due diligence for complex business transactions. He also has written numerous articles on environmental law, and is a contributing author for several chapters of "Brownfield Practice and Law: The Cleanup and Redevelopment of Contaminated Properties," published by Matthew Bender. He also was a contributing author for "The Law of Environmental Justice," published by the American Bar Association (ABA), and the Matthew Bender "Environmental Law Practice Guide". He also is the author of "Managing Environmental Liability in Transactions and Brownfield Redevelopment," published by JurisLaw Publishing and also publishes a bi-monthly online environmental newsletter *The Schnapf Environmental Journal*. Mr. Schnapf is the Co-Chair of the New York State Bar Association's Hazardous Site Remediation Committee and is a co-chair of the New York State Builders Association (NYSBA) brownfield task force. He also is the Chair of the Brownfield Task Force of the

Environmental Business Association of New York. He is a vice-chair of the Environmental Transactions, Audits and Brownfield Committee; the Superfund and Hazardous Waste Committee of the ABA's Section on Environment, Energy and Resources; and a vice-chair of the ABA Section of Business Law Committee on Environmental, Energy and Natural Resources Law. He also is a member of the board of BNA's Environmental Due Diligence Guide. Mr. Schnapf also is a member of the American Society for Testing and Materials (ASTM) 1527 Task Group, the Phase II Legal Work Group, Co-Chair of the legal subcommittee for the ASTM Vapor Intrusion Task Group, and a member of the Appropriate Care/Continuing Obligations Task Group. He is an Adjunct Professor of Environmental Law at New York Law School where he teaches a course titled Environmental Issues in Business Transactions. He also is on the faculty of the Center for Christian Studies at Fifth Avenue Presbyterian Church where he teaches "The Bible and the Environment." You can visit the Web page of the Schnapf Environmental Law Center at <http://www.environmental-law.net>.

Joseph Siegel

Mr. Joseph Siegel is an attorney with the Air Branch of the Office of Regional Counsel, EPA Region 2, where he has worked on air pollution policy, permitting, and enforcement for 21 years. Since 2000, he has been an Adjunct Professor at the Pace University School of Law, Center for Environmental Legal Studies, where he teaches courses on climate change and air pollution. He also taught environmental law for 11 years at CUNY Law School at Queens College. He is Co-Chair of the American Bar Association (ABA) Committee on Climate Change, Sustainable Development and Ecosystems and a Vice-Chair of the ABA Alternative Dispute Resolution Committee. He also served as Vice-Chair of the ABA Renewable Energy Resources Committee. Mr. Siegel is an Alternative Dispute Resolution Specialist for EPA Region 2 and a certified community mediator in Westchester County, New York, where he mediates cases with the Westchester Mediation Center and in the town court system. He has more than 150 hours of mediation training in numerous substantive areas of conflict resolution and he teaches environmental mediation simulations. In November 2006, Mr. Siegel served as a member of an advisory group to the United Nations Environment Programme and Permanent Court of Arbitration on environmental dispute resolution and dispute avoidance. He is a frequent lecturer on climate change, alternative dispute resolution, and other environmental topics. He has published numerous articles on matters including the Regional Greenhouse Gas Initiative, climate change law and policy, alternative dispute resolution, and public access to information and prevention of terrorist acts at chemical facilities.

Sarah Stafford

Dr. Sarah Stafford is an Associate Professor of Economics and a Faculty Affiliate of The Thomas Jefferson Program in Public Policy at the College of William and Mary. She received her B.S. degree in Foreign Service from Georgetown University and her Ph.D. in Economics from Johns Hopkins University. Before joining the faculty at William and Mary, she worked for ICF International. Her research focuses on environmental regulation and corporate environmental behavior.

Terry Taylor

Dr. Terry Taylor is an Associate Professor at the University of California, Berkeley's Haas School of Business. His research addresses economic issues in supply chain management, including contracting, contract renegotiation, long-term relationships, and the marketing-operations interface. Prior to joining the University of California, Berkeley, he was an Associate Professor at Columbia University's Graduate School of Business. He is the recipient of several awards, including Columbia Business School's Dean's Award for Teaching Excellence and the Wickham Skinner Early Career Research Accomplishments Award. He is an Associate Editor for *Operations Research*, *Manufacturing & Service Operations Management*, and *Production and Operations Management*. Prior to his academic career, he was a consultant for McKinsey & Company. He received his B.S. and Ph.D. from Stanford University.

Ann Terlaak

Dr. Ann Terlaak is an Assistant Professor at the Wisconsin School of Business in Madison, Wisconsin. She received her Ph.D. in Environmental Management in 2002 from the Bren School of Environmental Science and Management at the University of California, Santa Barbara. She also holds a Masters Degree (Diploma) in Economics from Goettingen University in Germany. Dr. Terlaak is interested in interorganizational learning and the emergence and diffusion of institutions that solve market failures (especially with respect to protecting the natural environment). Her current research projects focus on industry management standards.

Barry Tornick

Mr. Barry Tornick has been a Section Chief in the EPA Hazardous Waste (RCRA) Program for the past 20 years. He has had various program responsibilities for facilities in New Jersey, Puerto Rico, and the U.S. Virgin Islands. He currently is responsible for permitting and site remediation for New Jersey sites. He also has been a private consultant working primarily on hazardous waste, solid waste, and radiological projects. Mr. Tornick began his EPA career in the Air Enforcement Program, where he was responsible for permitting and inspecting major air pollution sources and pursuing enforcement actions. He received a B.S. in Geology from Brooklyn College and an M.S. in Air Pollution Engineering (Meteorology) from New York University.

Marsha Walton

Dr. Marsha Walton has been employed in the field of energy efficiency since 1990, working for the New York Department of Public Service's Office of Energy Efficiency and the Environment before joining the New York State Energy Research and Development Authority (NYSERDA) in 1992. She works as a Project Manager in NYSERDA's Buildings R&D Group and has oversight responsibility for a wide range of new lighting product development projects, demonstrations and evaluations of innovative lighting technologies, and numerous educational and testing programs at Rensselaer Polytechnic Institute's Lighting Research Center. Dr. Walton received her Bachelor's degree in Anthropology from Bard College, Masters of Regional Planning from Cornell University, and Ph.D. in Ecological Economics from the Rensselaer Polytechnic Institute. Her research interests include deliberative environmental decision-making, social marketing, and the framing effect of information about the goods and services we consume.

Kris Wernstedt

Dr. Kris Wernstedt, Associate Professor in Urban Affairs and Planning at Virginia Tech University (National Capital Region), covers a variety of issues in environmental planning, management, and policy, with emphases on contaminated properties and water resources. Recent research includes work on hard rock mining policy innovations in the western United States; revitalization of abandoned and contaminated properties by community-based organizations; and the use of climate forecasts in flood planning. His work has appeared in a range of planning and policy outlets, including the *Journal of the American Planning Association*, *Natural Hazards Review*, the *Journal of Environmental Planning and Management*, and the *Journal of Policy Analysis and Management*. He received his Ph.D. and Masters of Regional Planning from Cornell University.